

Mallarapu Yaswanth

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Career Objective:

Machine Learning & AI Engineer specializing in FastAPI microservices, LLM orchestration (LangChain, LlamaIndex), feature engineering, and containerized API architectures. Experienced in building deterministic AI advisory algorithms, RESTful web services, and full-stack enterprise platforms.

Technical Skills:

- **Machine Learning & AI:** Feature Engineering, Predictive Analytics, Time-Series Analysis, Explainable AI (XAI), Computer Vision (Image Classification), Scikit-learn, PyTorch, TensorFlow, Keras, XGBoost, NumPy, Pandas.
- **Generative AI & LLMOps:** Agentic Workflows, Contextual Prompt Engineering (Chain-of-Thought, ReAct), LangChain, LlamaIndex, OpenAI API, Anthropic, Gemini, Grok.
- **Backend & Web Frameworks:** Python, C# (ASP.NET Core), JavaScript, TypeScript, FastAPI, Django, Streamlit, ReactJS.
- **Cloud, DevOps & MLOps:** Microsoft Azure (Azure ML, AI Services), Docker, CI/CD Pipelines.
- **Databases & Data Architecture:** SQL Server, SQL, MongoDB Atlas, Vector Databases (Pinecone, Milvus, Chroma).

Work Experience

ML ENGINEER – Mealgrid – Norway (Remote - Internship) **March 2026 – Present**

- Architected a modular ML Advisory microservice using Python, FastAPI, and Pandas, engineering time-series feature pipelines to process historical pricing, promotion, and product availability signals across 4 distinct data streams.
- Developed deterministic AI algorithms for trend detection and volatility scoring, delivering customer-facing explainable insights via Docker-containerized REST APIs integrated with Django backends, reducing inference latency by 35%.
- Established automated CI/CD workflows to containerize deployment images, accelerating testing iteration speed by 2.5X.

AI FULL STACK ENGINEER - SITER Academy – Norway (Remote - Internship) **March 2024 – March 2026**

- Engineered the EJITE journal management platform using ASP.NET Core Web APIs, Minimal APIs, PHP, and MongoDB Atlas, improving query response speeds by 25% while implementing Swashbuckle/OpenAPI documentation for rapid backend integration.
- Designed interactive web interfaces using JavaScript and Tailwind CSS, while maintaining production server configurations, database security for 50000+ records, and Apache deployments.

Projects

Bachelors Finance Manager – Live Demo Link

- Engineered a Greedy Debt Settlement Algorithm in Vanilla JavaScript, optimizing peer-to-peer liabilities from $\mathcal{O}(N^2)$ to an $\mathcal{O}(N)$ minimum-cash-flow sequence with cent-accurate accuracy.
- Built a zero-telemetry client-side financial tool utilizing CSS Paged Media (@media print) for browser-based A4 PDF exports and LocalStorage for user persistence.

AI Model for Indian Dance Classification using Microsoft Azure – [Access the Docs here](#)

- Deployed a real-time computer vision classifier categorizing 8 classical Indian dance forms using Azure Custom Vision AI services.
- Built interactive web application interfaces to process real-time single-image predictions via integrated RESTful API endpoints.

Web-Based WebRTC Communication Service – [Access the web here](#)

- Built a browser-based real-time voice call application leveraging WebRTC protocols to enable global peer-to-peer audio connectivity over standard internet connections.
- Integrated Metered API routing hosted on Render infrastructure to overcome cross-ISP network restrictions and ensure reliable call establishment.

Language Learning Application (English to Norwegian Translator) – [Access the web here](#)

- Developed an interactive translation tool integrating Speech-to-Text and Text-to-Speech engines to assist English speakers in learning Norwegian through voice conversations.

Education:

Institute Name	Field of Study	Score (CGPA / Marks)	Year of Passing
Vaagdevi College of Engineering	B. Tech – CSE (AI&ML)	8.05 CGPA	2027
MJPTBCWRJC STATION GHANPUR (Boys)	MPC	892 / 1000	2023
MJPTBCWR SCHOOL KUKATPALLY (Boys)	SSC – 10 th Class	10.0 CGPA	2021
CSCE Computer Education	PGDCA	818 / 900	2021

Certificates

- SITER Certified Microsoft Azure Cloud Developer: December, 2025
- SITER Certified Generative AI Engineer: March, 2025
- AWS Academy Graduate - AWS Academy Cloud Foundations, Amazon Web Services Training and Certification, Issued: January 31, 2025
- Software Engineer, HackerRank, Issued: November 21, 2024
- Getting Started with Artificial Intelligence, IBM SkillsBuild, Issued: September 28, 2024
- Getting Started with Enterprise Data Science, IBM, Issued: February 28, 2024
- Python (Basics), HackerRank, Issued: February 27, 2024

Honors & Awards

- **Certificate of Appreciation** from SITER Academy, Norge for Organizing 1st ICETBDT Conference at Goa, India on 24th July 2026.
- **Best Paper Award** at ICETETAMS 2026 Conference on 10th April, 2026.
- **Certificate of Appreciation** from University of Technology and Applied Sciences-Shinas, for Delivering a Tech Talk on Digital CV on 16 & 17 December 2025.
- **Certificate of Participation** from 53 Wireless World Research Forum (WWRF'2025) Held at BITS PILANI – Hyderabad Campus on 20th February 2025.
- **Badge Certificate** For earning the 5-Day AI Agents Intensive Course with Google Badge from Kaggle 18th December 2025.
- **Certificate of Participation** in Short-Term Training Program (Value Added Course) on "Upgrading Skills in Java Programming" organized by CBIT (Autonomous), Hyderabad held from 15th March 2025 to 13th April 2025 (every Saturday).

Location: Khammam, Hyderabad – Telangana, India.

Work Preferences: Open to worldwide remote work and on-site positions across India.